

FIG._1A

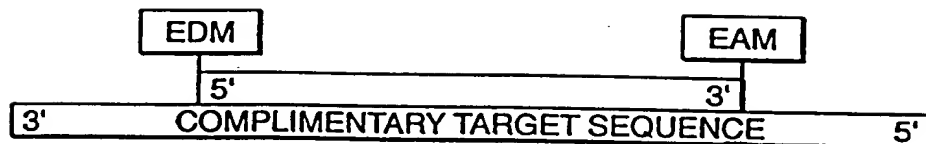


FIG._1B

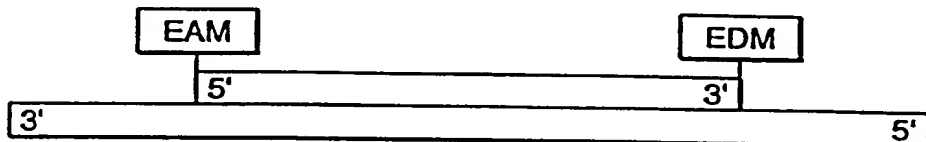


FIG._1C

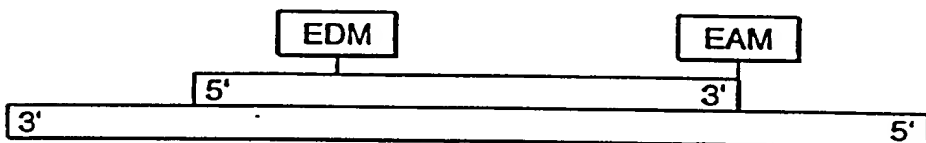


FIG._1D

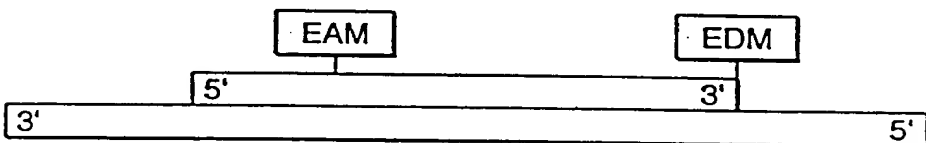


FIG._1E

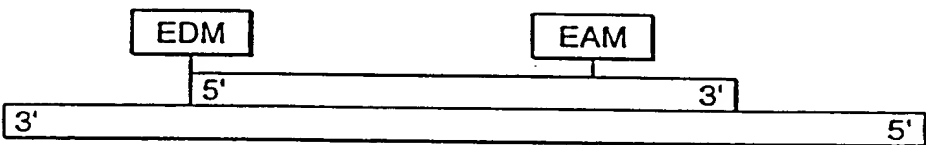


FIG._1F

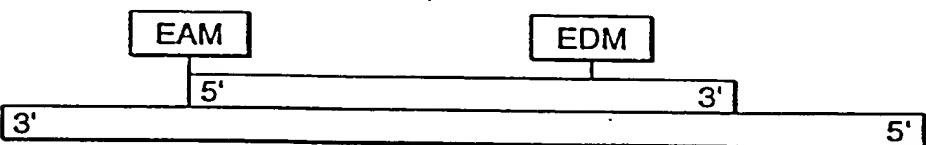


FIG._1G

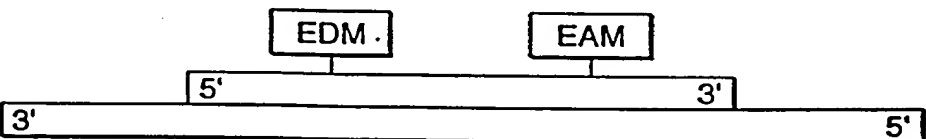
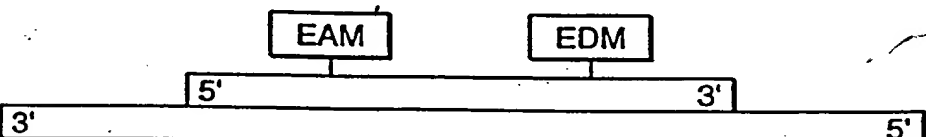


FIG._1H



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FIG..2A-1

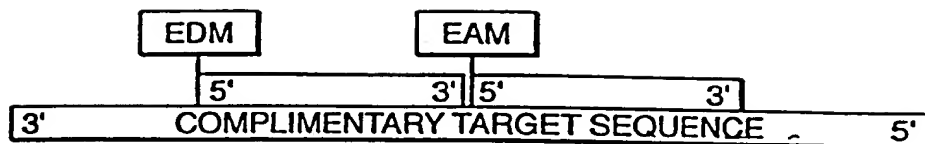


FIG..2A-2

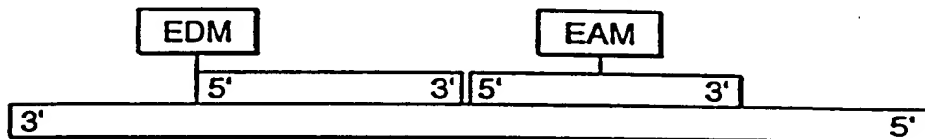


FIG..2A-3

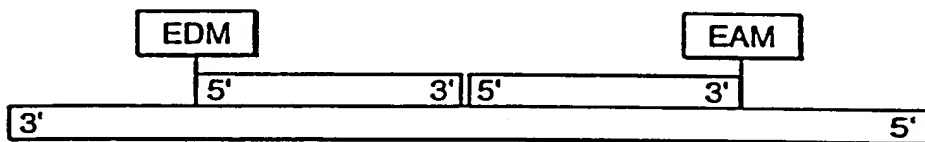


FIG..2A-4

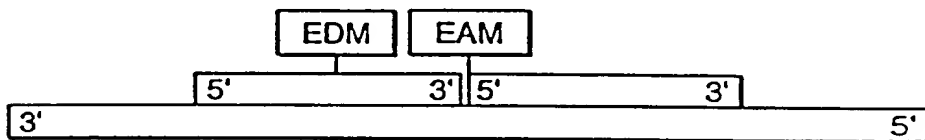


FIG..2A-5

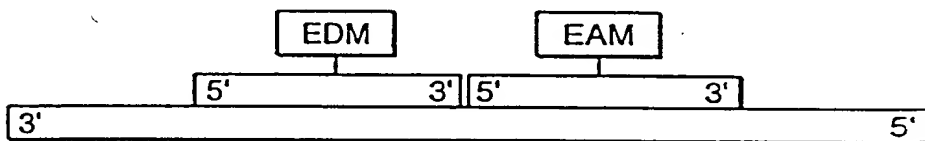


FIG..2A-6

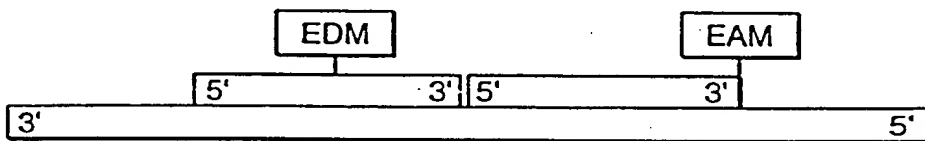


FIG..2A-7

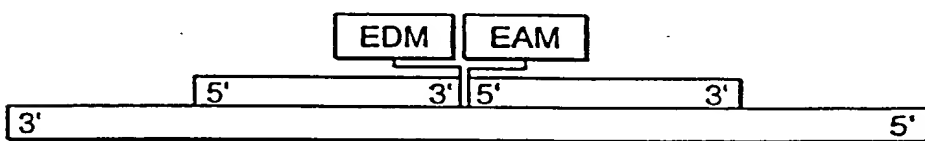


FIG..2A-8

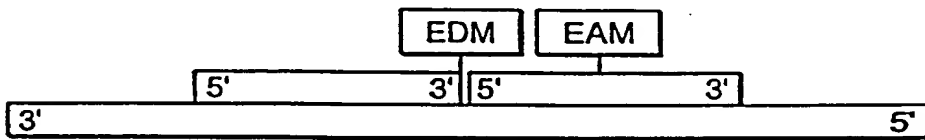


FIG..2A-9

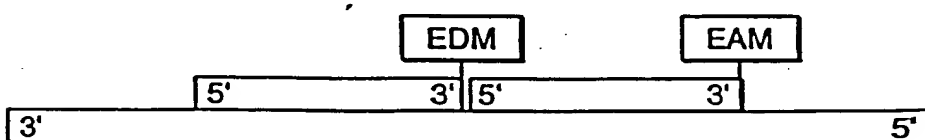


FIG..2B-1

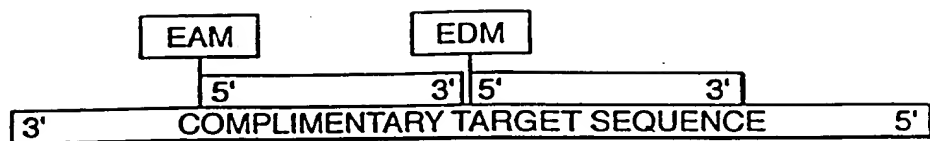


FIG..2B-2

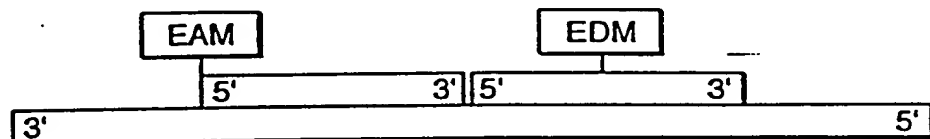


FIG..2B-3

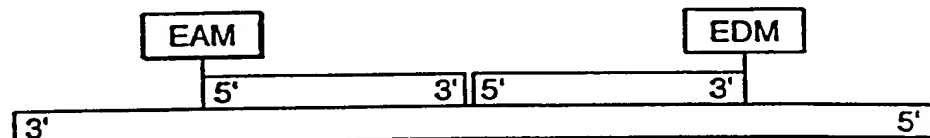


FIG..2B-4

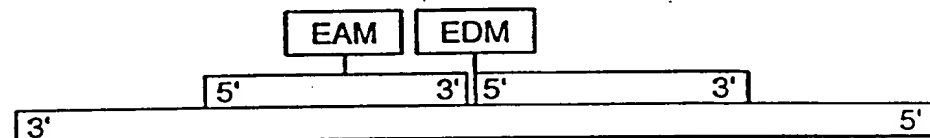


FIG..2B-5

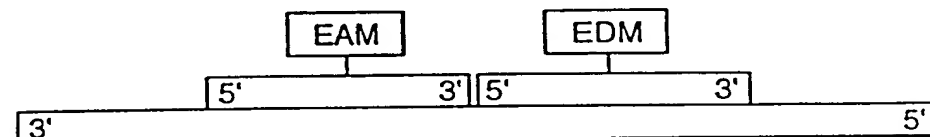


FIG..2B-6

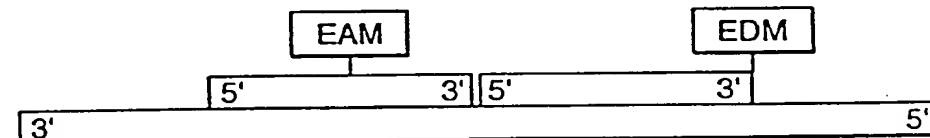


FIG..2B-7

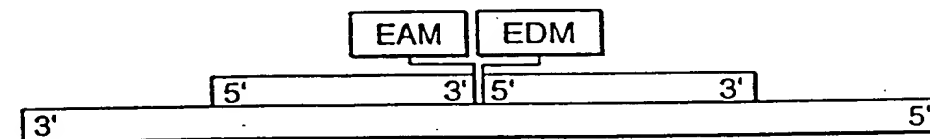


FIG..2B-8

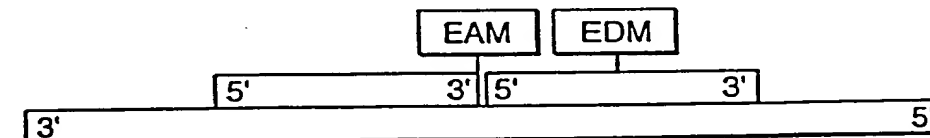


FIG..2B-9

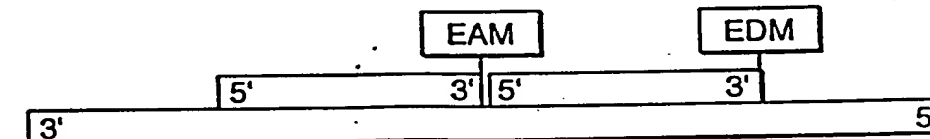
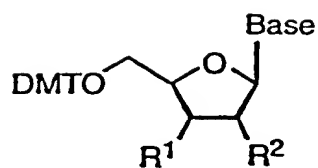


FIG..2

FIG..2A

FIG..2B



(I) $R^1 = H$ $R^2 = NH_2$

(II) $R^1 = NH_2$ $R^2 = H$

(III) $R^1 = NH_2$ $R^2 = OH$

(IV) $R^1 = OH$ $R^2 = NH_2$

(Base) Adenine, guanine, cytosine, thymidine, uridine.

FIG._3

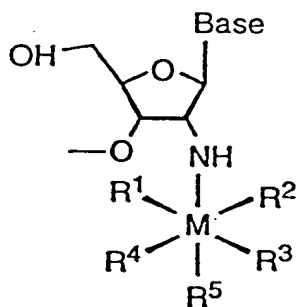


FIG._4A

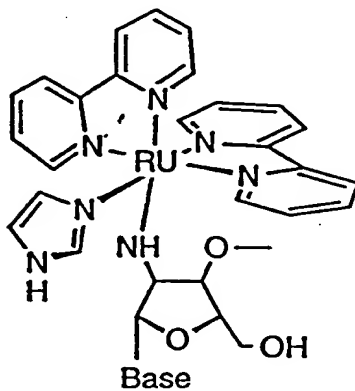


FIG._4B

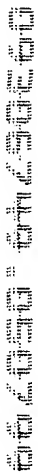


Figure 5

Synthetic Scheme

*2'-amino-2'-deoxyuridine derivatized
to control pore glass (CPG)*

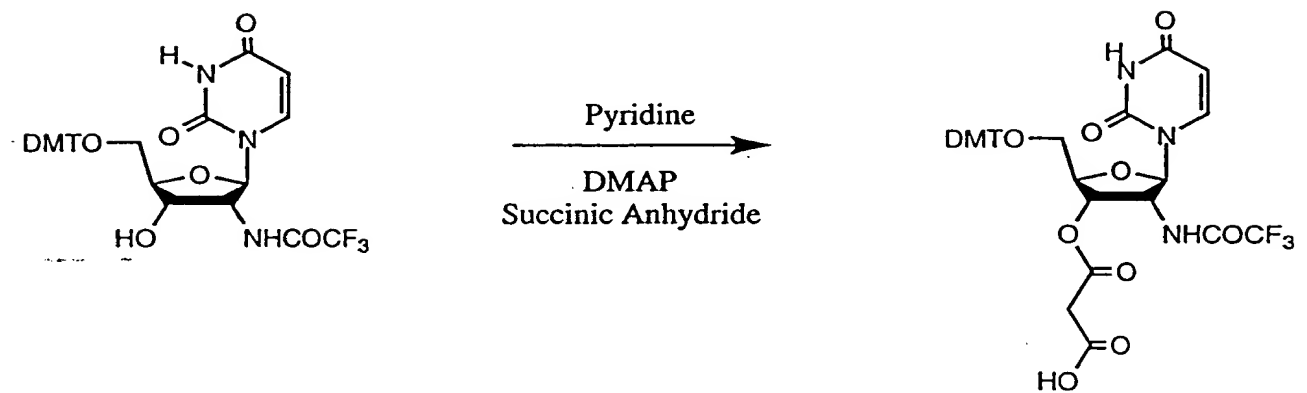
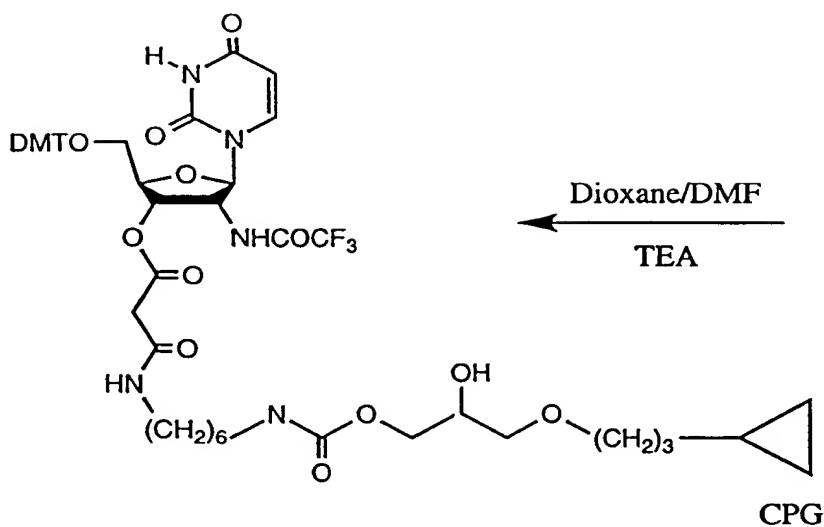
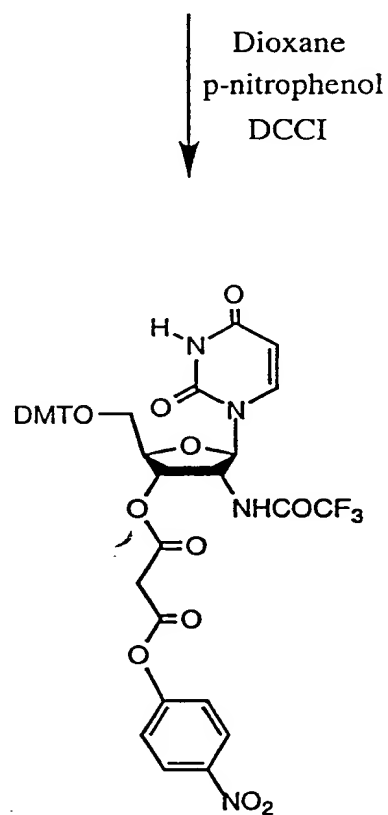


Fig 6A



or

Synthesis of Bis-2'-amino-2'-deoxyuridine

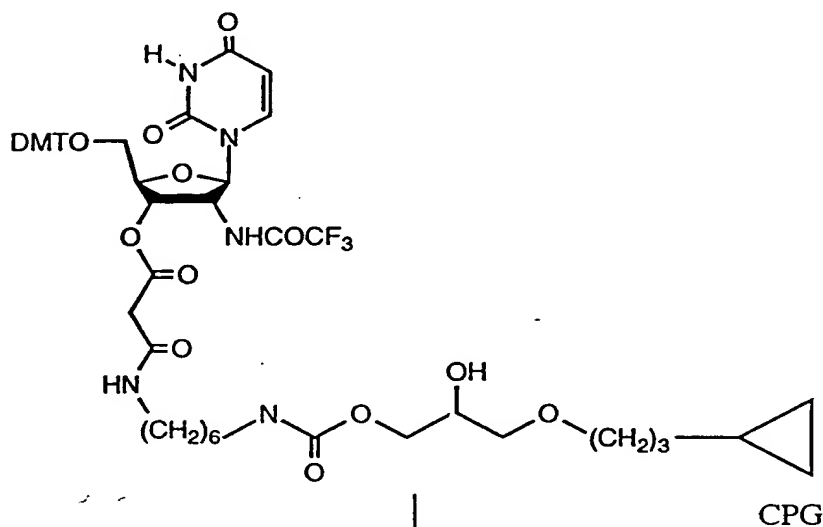
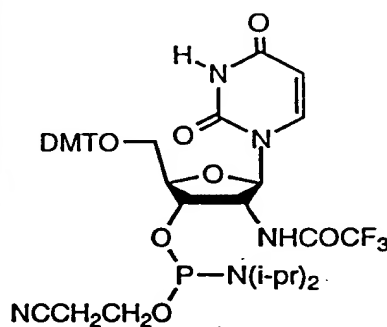
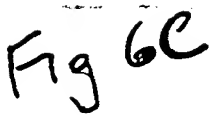


Fig 6B

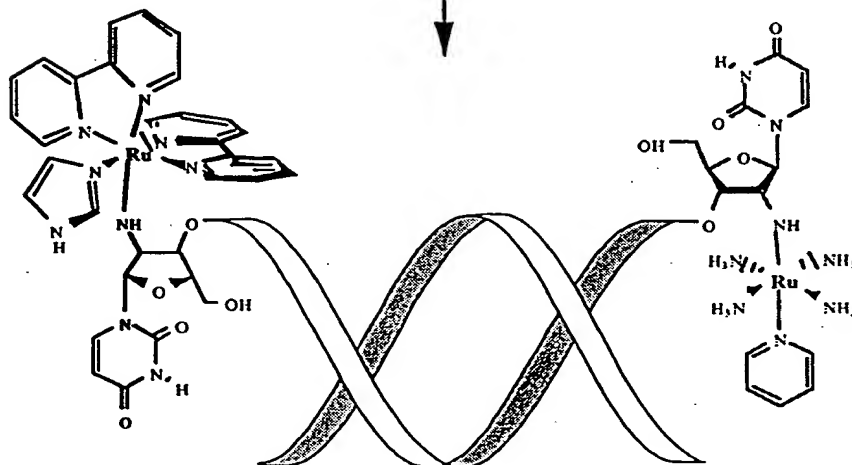
3' UCTCCTACAC-
H₂N

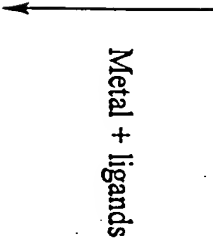


3' UCTCCTACACU 5'
H₂N DMT NH₂



- ↓





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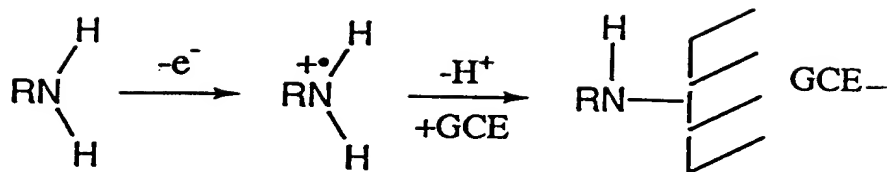


Figure 8A

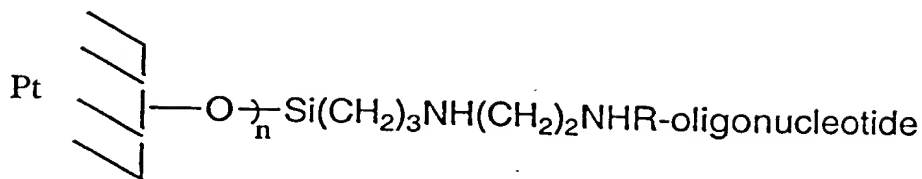


Figure 8B